

PATENT

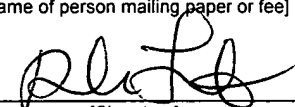
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: PAPIERNIK-2

In re Application of:)
WOLFGANG PAPIERNIK & GUIDO STÖPPLER)
Filed: Simultaneously Herewith)
For: METHOD FOR IDENTIFYING A CONTROL)
PATH OF A CONTROLLED SYSTEM)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Express Mail mailing label number: EV 388366435 US
Date of Deposit: January 8, 2004
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450".
ANTONELLA FUSILLO [Name of person mailing paper or fee]
 [Signature]

S I R:

In accordance with 37 C.F.R. 1.56, applicant wishes to call the attention of the Examiner to the following reference A) which is cited in the instant specification and references B) to E). Applicant does not admit that any of the cited documents constitutes prior art against the pending application.

	Country:	Patent or Appl. No:	Patentee or Applicant:	Issue or Filing Date:
A)	Europe	EP 0 211 374 A1	Siemens AG	02-25-1987
B)	Schuler, Hans: Prozessführung. München, Oldenbourg, 1999			
C)	Germany	DE 196 43 458	Ebert Wolfram	04-16-1998
D)	Schmidt, G.: Grundlagen der Regelungstechnik, Berlin, 1982			
E)	Germany	DE 34 27 127 A1	Siemens AG	01-23-1986

Copies of these references are submitted herewith along with form PTO-1449. The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

☒ This Information Disclosure Statement is filed within three months of the filing date of a national application other than a continued prosecution application under 1.53(d), so that no fee under 37 C.F.R. §1.97 is due.

☐ This Information Disclosure Statement is filed within three months of the date of entry of the national stage as set forth in 1.491 in an international application, so that no fee under 37 C.F.R. §1.97 is due.

☐ This Information Disclosure Statement is filed before the mailing of a first Office Action on the merits, so that no fee under 37 C.F.R. §1.97 is due.

☐ This Information Disclosure Statement is filed before the mailing of a first Office Action after the filing of a request for continued examination under §1.114, so that no fee under 37 C.F.R. §1.97 is due.

☐ This Information Disclosure Statement is filed after the issuance of a first office but before issuance of a final action under §1.113, or a notice of allowance under §1.311.

☐ This Information Disclosure Statement is submitted after the mailing of a final action or a notice of allowance, but before payment of the issue fee.

☐ The undersigned submits the following statement requesting consideration of this statement:

The undersigned hereby states:

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

☐ The fee of \$180.00 set forth in 1.17(p).

☐ The Commissioner is hereby authorized to charge the fee as set forth in 1.17(p), and any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

In addition, applicant notes with respect to any information that is not in English language as follows:

Reference B) discloses a disturbance-variable compensation

Reference C) describes undisturbed input and output signals which are reconstructed on the basis of an excitation signal for a transmission sector (U) having one to several signals at both ends. An input signal (Yref) is produced at the regulator (PIE) entry capable of excitation over a frequency band and an input signal (KSlu) is produced at the sector entry also with frequency band excitation capability. The parameter estimation module (RKE,RKA) is linear or nonlinear in the parameters and disturbed transmission functions are used to reconstruct the undisturbed sector input and output.

Reference D) relates to basics of control techniques and describes a numeric determination of the frequency-response function

Reference E) describes a method of optimizing drive controls in a computer-controlled machine tool. The method comprises the steps of (a) ascertaining the system parameters of the drive control system from an open-loop system response, (b) computing the control parameters of a control system from the system parameters and a closed-loop target response, (c) simulating a closed-loop control system using the system and control parameters, (d) comparing the target response with a simulated response, (e) varying the control parameters in the simulated control system, (f) repeating steps (d) and (e) until the responses coincide and (g) setting the final control parameters into the control loop of the

actual drive control system. The method steps are executed by means of the machine tool computer control.

The above-identified application discloses and claims an invention patentable over this prior art.

Entry of the references above set forth into the file of the above application is believed to be in order and is respectfully requested.

Respectfully submitted

By: 

Henry M. Feiereisen
Agent for Applicant
Reg. No. 31,084

Date: January 8, 2004
350 Fifth Avenue
Suite 4714
New York, N.Y. 10118
(212) 244-5500
HMF/WS:af

Form PTO-1449U.S. Department of Commerce
Patent and Trademark Office**INFORMATION DISCLOSURE CITATION**

Attorney's Docket No. PAPIERNIK-2	Applicant WOLFGANG PAPIERNIK et al.	Appl. No.
Filing Date 	Group 	Examiner

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date, if appropriate

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation
	EP 0 211 374 A1	02-25-1987	Europe			no
	DE 196 43 458	04-16-1998	Germany			no
	DE 34 27 127 A1	01-23-1986	Germany			no

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Schuler, Hans: Prozessführung. München, Oldenbourg, 1999, pages 179-182 and 269, ISBN: 3-486-23477-3;
		Schmidt, G.: Grundlagen der Regelungstechnik, Berlin, Springer-Verlag, 1982, pages 73-75

Examiner:	Date considered:
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*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.